



EXPERTS AFRICA

D-Think X10 Microchip Scanner User Manual

V1.00





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1 Introduction

The purpose of this document is to serve as a user manual/guide for the D-Think X10 microchip scanner. Contained in this document are a set of instructions to help the user with any problems or questions they might have while using the microchip scanner.

The D-Think X10 is intended to be used on companion animals that have been microchipped and registered on a database.

The RFID Experts D-Think X10 microchip scanner is a handheld RFID (radio frequency identification) device which can be used in conjunction with the BringMeHome® Microchip Database.

2 Product Information

- **Operating Frequency:** 125KHz and 134.2KHz
- **Formats Supported:** FDX-B (ISO11784/5) and FDX-A
- **Transponder Reading Distance:**
 - *FDX-B (ISO11784/5)*: 10 to 12cm
 - *FDX-A*: 7 to 9cm
 - *FDX-B Electronic ear tag*: up to 18cm
- **Storage Capacity:** 2000 EIDs
- **Screen:** 16 X 2 character LCD display
- **Communication:** Bluetooth Keyboard, USB
- **Power Supply:** Two 3.7V lithium ion batteries
- **Operating Temperature:** $-10^{\circ}C \sim 50^{\circ}C$
- **Storage Temperature:** $-30^{\circ}C \sim 70^{\circ}C$

3 Getting Started

3.1 Layout and Start-Up

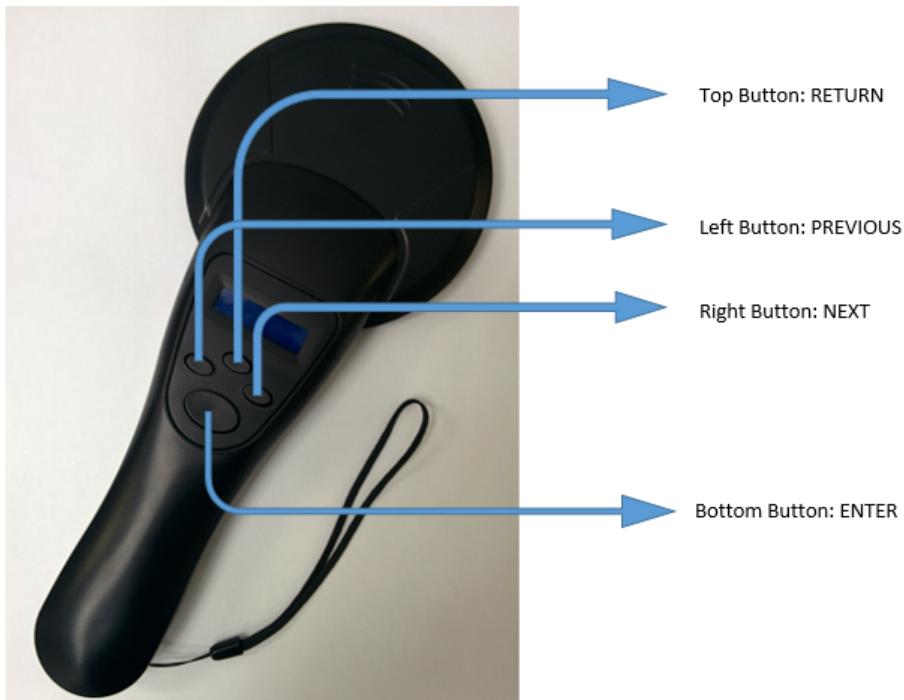


Figure 3.1: D-Think X10 Layout

- **Power On:** To power the device, long-hold *ENTER* (2 seconds). The device will beep once

- **Power Off:**

- Long-hold *RETURN* (2 seconds). *Power off now* should be displayed.
- Via the menu option 9 (*Power off*).

3.2 Menu Navigation

1. Tag Scan:

Press the *ENTER* button. This will continuously scan for a transponder (20 seconds). Once it finds a transponder, the EID will be displayed on the screen and the device will beep loudly. If the scan has finished (20 seconds) and it does not find a transponder, *No tag found!* will be displayed on the screen and the device will beep twice. The *RETURN* button can be pressed to exit the process of seeking a transponder.

Display Description:

- If you find a transponder:
 - First line:
Transponder type, current storage number
 - Second line:
Tag number
- If you do not find a transponder:
 - Displays *No tag found*

2. Tag Storage Option:

- *Store*: If this option is selected the EID numbers of the transponders will be stored in the database.
- *Not store*: If this option is selected, the EID numbers of the transponders will NOT be stored in the database.

3. Tags number:

- First line:
Storage: Shows the number of tags that have been stored in the database.
- Second line:
Free: Shows the number of free storage entries available in the database.

4. Tags content:

- First line:
Transponder type, current storage number
- Second line:
Tag number

To scroll through the EID numbers press the *LEFT* and/or *RIGHT* buttons. (To scroll faster hold the *LEFT* and/or *RIGHT* buttons in)

5. Memory erase:

This option will erase all the EID entries in the database.

6. Bluetooth power option:

- *On*: This will enable bluetooth
- *Off*: This will disable bluetooth

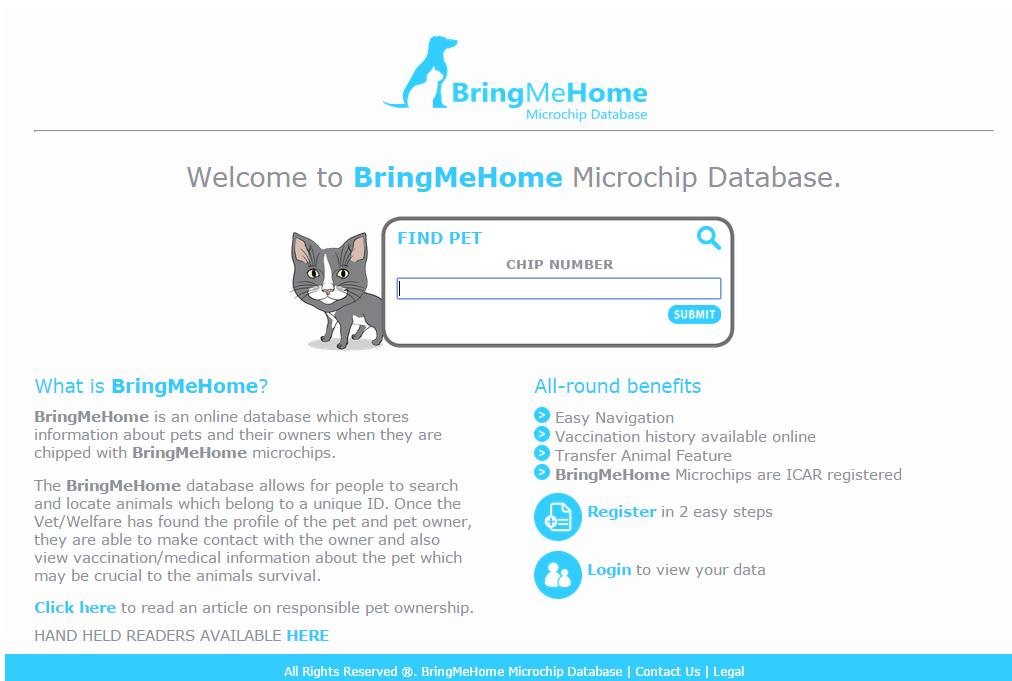
7. Auto power off option:

- *On*: This option will enable auto power off which will allow the device to power off after 2 minutes of inactivity.
- *Off*: This option will disable auto power off.

Auto power off will always reset to *On* after the device is switched off and on again.

4 BringMeHome® Keyboard

As previously stated, the D-Think X10 microchip scanner can be used to scan an EID number into the BringMeHome® microchip database search form. (*For this function to work, the PC on which BringMeHome® is run has to be Bluetooth enabled.*)



Welcome to **BringMeHome** Microchip Database.

FIND PET

CHIP NUMBER

SUBMIT

What is BringMeHome?

BringMeHome is an online database which stores information about pets and their owners when they are chipped with BringMeHome microchips.

The BringMeHome database allows for people to search and locate animals which belong to a unique ID. Once the Vet/Welfare has found the profile of the pet and pet owner, they are able to make contact with the owner and also view vaccination/medical information about the pet which may be crucial to the animals survival.

[Click here](#) to read an article on responsible pet ownership.

HAND HELD READERS AVAILABLE [HERE](#)

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Figure 4.1: BringMeHome® Microchip Database Search Form

4.1 Bluetooth Pairing with PC

To pair the D-Think X10 microchip scanner:

- Power the D-Think X10 on.
- First ensure that the D-Think X10's bluetooth power option is *On*
- Ensure your PC's bluetooth is turned on
- Navigate to Devices and Printers in Windows Control Panel

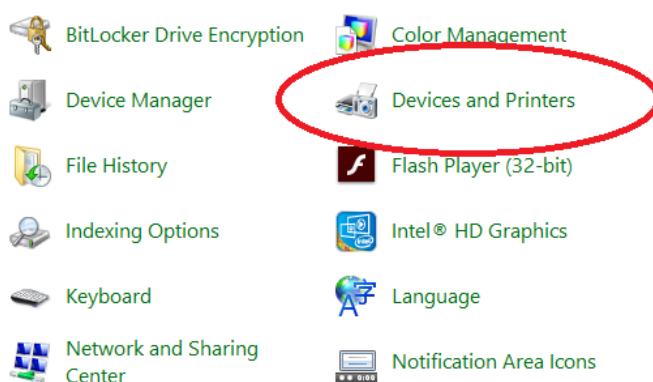


Figure 4.2: Devices and Printers

- Once in Devices and Printers Select *Add a device* as shown in figure 4.3

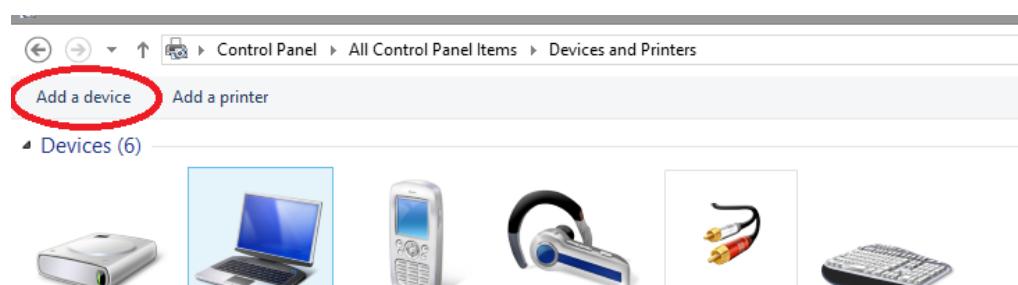


Figure 4.3: Add a device

- The D-Think X10 should appear after the search. Select it and then select *Next*. The drivers should install and the device will be ready for use.

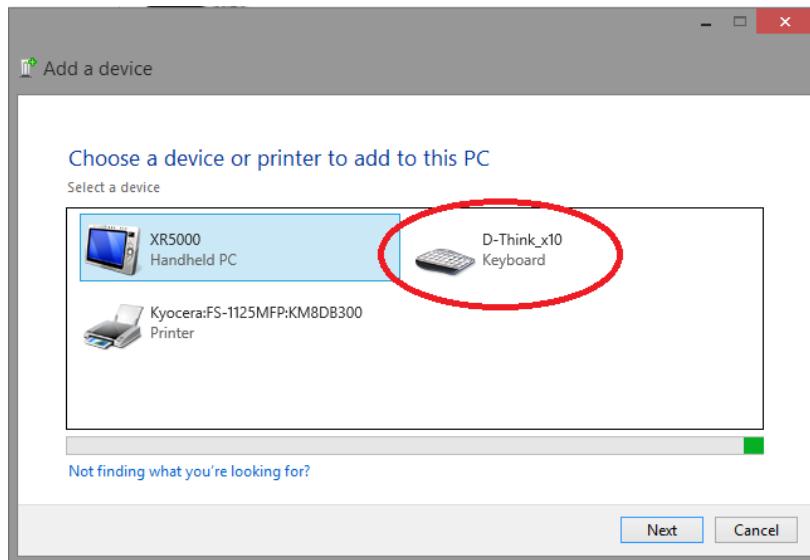


Figure 4.4: D-Think X10 Device

4.2 Keyboard Function

Once the D-Think X10 is connected via Bluetooth to the PC, open the BringMeHome® microchip database (www.Bringmehome.co.za). On the home page, left click on the *CHIP NUMBER* form under *FIND PET*.



Figure 4.5: Find Pet Form

On the D-Think X10 navigate to *Tag scan* in the menu and press the *ENTER* button to begin scanning. When a transponder is found, the EID number will be entered into the form. Once the EID is in the form, click *SUBMIT* to initiate the search in the database.



Figure 4.6: EID Entered into the Form